

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-12-80			
Company Northwest Pipeline Corporation						Connection New Completion			
Pool Basin						Formation Dakota		Unit San Juan 30-5	
Completion Date 11-20-80		Total Depth 7820'		Plug Back TD 7793'		Elevation 6340'		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7820'	Perforations: From 7723' To 7742'		Well No. 53			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7717'	Perforations: From To		Unit Sec. Twp. Rge. L 16 30N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .60	% CO ₂	% N ₂	% H ₂ S	Prover positive choke		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2761		2911	
1.	2"	X	.750	84		52 ⁰	84		402	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		96	1.008	1.291	1.008	1209
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 2923	P _c ² 8543929	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0205$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0153$
NO.	P _r ²	P _w	P _w ²
1		414	171396
2			
3			
4			
5			

Absolute Open Flow 1228		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
-------------------------	--	----------------	------------------------	--------------

Remarks: Produced heavy water at start of test then cleared to medium mist.

Approved By Commission:	Conducted By: Chik Charley	Calculated By: B.J. Broughton	Checked By: B.B.B.
-------------------------	-------------------------------	----------------------------------	-----------------------